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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/s KRIDL, Bangalore				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	PCC	
Sample Location	Plant/At site		Date of Sampling	05.04.18	
			Date of Testing	05.04.18	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	252	252	2.52	97.48	95 - 100
10.00 mm	4830	5082	50.82	49.18	25 - 55
4.75 mm	4210	9292	92.92	7.08	0 - 10
Pan	708	10000			

Remarks : Satisfactory / Not Satisfactory

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Consultant's Representative

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	PCC	
Sample Location	At Site/Plant		Date of Sampling	05.04.18	
			Date of Testing	05.04.18	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	532	532	5.32	94.68	90-100
10.0	4682	5214	52.14	47.86	40-85
4.75	4512	9726	97.26	2.74	0-10
Pan	274	10000			

Remarks : Satisfactory / Not Satisfactory

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Test Report on Cement

Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Sample ID	Cement
Date of Sample Tested	06.04.18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	38 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	345 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	3mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	25 % to 35

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Test Report on Cement

Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Sample ID	Cement
Date of Sample Tested	06.04.18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	37 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	350 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	3mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	25 % to 35

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TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s KRIDL, Bangalore

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	Proposed Use	concrete
Location/Source	At Site/Plant	Date of Sampling	06.04.18
Period of Soaking	24 hours	Date of Testing	06.04.18

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	652	665	650	
B	Weight of oven - dry sample gm.	642	655	638	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1685	1696	1686	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.653	2.684	2.669	**2.669**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.558	1.527	1.881	**1.655**

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	Tejus Consultants, Bangalore
Contractor	M/s KRIDL, Bangalore

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	Fine aggregate (River Sand/ M sand)	Proposed Use	concrete
Sample Location	At Site/Plant	Date of Sampling	06.04.18
		Date of Testing	06.04.18

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	210	210	7.00	93.00	90 - 100
2.36 mm	308	518	17.27	82.73	75 - 100
1.18 mm	420	938	31.27	68.73	55 - 90
0.600 mm	480	1418	47.27	52.73	35 -59
0.300 mm	708	2126	70.87	29.13	8-30
0.150 mm	632	2758	91.93	8.07	0 - 10
Pan	242	3000			-

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/s KRIDL, Bangalore				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size		**Proposed Use**	PCC	
Sample Location	Plant/At site		**Date of Sampling**	06.04.18	
			Date of Testing	06.04.18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	100
20.00 mm	252	252	2.52	97.48	95 - 100
10.00 mm	4818	5070	50.70	49.30	25 - 55
4.75 mm	4216	9286	92.86	7.14	0 - 10
Pan	714	10000			

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4	
Consultants	TEJUS CONSULTANTS	
Contractor	M/s KRIDL, Bangalore	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size	Proposed Use	PCC	
Sample Location	At Site/Plant	Date of Sampling	06.04.18	
		Date of Testing	06.04.18	

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	546	546	5.46	94.54	90-100
10.0	4678	5224	52.24	47.76	40-85
4.75	4522	9746	97.46	2.54	0-10
Pan	254	10000			

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Grade of concrete:	M25
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	04.04.18	11.04.18	7 days	8.220	22500	340	15.11	15.21
2	04.04.18	11.04.18	7 days	8.218	22500	342	15.20	
3	04.04.18	11.04.18	7 days	8.222	22500	345	15.33	

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